CLAIMS

I Claim:

1) A system architecture for managing event driven activities, selected event driven activities generating a request stimulus, the request stimulus indicating a desire for resource activity; comprising:

   a) a computer with memory;

   b) a Resource Manager program stored within said memory, said Resource Manager receiving the request stimulus, said Resource Manager generating a request for at least one available resource;

   c) a Publishing Engine program stored within said memory, said Publishing Engine in communication with said Resource Manager, said Publishing Engine receiving said request for said available resource, said Publishing Engine having at least one data structure responsive to said request for said available resource;

   d) said Resource Manager generating a request for an event activity schedule; and,

   e) a Scheduling Engine program stored within said memory, said Scheduling Engine in communication with said Resource Manager, said Scheduling Engine having at least one data structure responsive to said request for an event activity schedule, said data structure transforming said available resources into at least one event scheduled activity.

2) The system architecture for managing event driven activities of Claim 1 wherein, said computer with memory is a database.

3) The system architecture for managing event driven activities of Claim 2, wherein said Resource Manager comprises a plurality of data structures for receiving a plurality of request stimuli all indicating a desire for resource activity.

4) The system architecture for managing event driven activities of Claim 3, wherein said Resource Manager further comprising at least one priority data structure, said priority data structure transforming said request stimuli into a demand resource activity.

5) The system architecture for managing event driven activities of Claim 3, wherein said Publishing Engine further comprises:

a) a Time Tube data structure having at least one data field containing a Time Tube Attribute data structure and a Time Block data structure, said Time Tube data structure transforming said Time Tube Attribute data structure and said Time Block data structure into available resource data transmittable to said Scheduling Engine.

b) said Time Tube Attribute data structure having at least one data field containing a profile of an available resource;

c) said Time Block data structure having at least one data field containing current disposition of said resource data;

wherein said Time Tube data structure represents a schedulable resource derived from said Time Tube Attribute data structure, said Time Block data structure providing timing constraints of said available resource data.

6) The system architecture for managing event driven activities of Claim 5, wherein said Time Block's timing constraints are selected from a group consisting of start time, stop time, start date, stop date, availability status, resource usage, resource cancellation, event on-hold, or remnant.

7) The system architecture for managing event driven activities of Claim 6, wherein said profile of an available resource profile comprises event attributes correlated to resource attributes.

8) The system architecture for managing event driven activities of Claim 6, wherein said profile of an available resource profile comprises resource attributes correlated to event attributes.

9) A method for managing event driven activities, the event driven activities generating a request stimulus, the request stimulus indicating a desire for resource activity, comprising:

a) receiving the request stimulus by a Resource Manager, said Resource Manager responsive to the requested stimulus and generating a request for an available resource;

b) communicating said request for an available resource to a Publishing Engine, said Publishing Engine having at least one data structure responsive to said request for said available resource;

c) communicating a request for schedule activity to a Scheduling Engine, said Scheduling Engine having at least one data structure responsive to said request for schedule activity, said data structure transforming said available resource into at least one event scheduled activity.

10) A database for managing event driven activities, the database having data structure means for storing resource data derived from an external source, data structure means for generating an activity schedule, and data structure means for receiving external request stimuli indicating desires for resource activity; comprising:

a) a plurality of Time Tube data structures stored on the database, each said Time Tube data structure having a first data field containing selected resource data, said Time Tube data structure having a second data field containing selected timing data;

b) said Time Tube data structures transforming said first data field and said second data field into an available resource data structure;

whereby a means for generating a schedule of activities is formulated from said transformed Time Tube data structures.